9700

Xerox 9700 Electronic Printing System

XEROX

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The Xerox 9700 Electronic Printing System combines computer, laser, and xerographic technologies to print data and textual material and forms images of practically unrestricted size, shape, and orientation directly from digital information.

The Xerox 9700 prints on ordinary 8½-by 11-inch cut sheet paper at a rate of two pages per second—up to 18,000 lines per minute, depending upon data format. The 9700 operates on-line, off-line, or on-line/off-line selectable with most IBM System/370 and System/360 computers, and off-line with a variety of standard vendor tape formats.

The features of the on-line, off-line, and selectable models, except for the method of entering information into the printing system, are identical. These include:

Electronic Forms

Forms, including logos, signatures, and charts, are stored within the Xerox 9700 and imaged electronically, upon demand, concurrently with the variable data. This eliminates the need for forms overlays and most preprinted forms as well as assuring perfect registration. Multiple forms, stored in digital format, are changeable on a page-to-page (up to six per job) or copy-to-copy basis. And new forms can be created within minutes.

Original Output

Each page is an executive-quality xerographic original—no barely legible carbon copies, no messy bursting or decollating.

Character Font Styles and Sizes

Output can be customized for specific needs. The Xerox 9700 offers unlimited font styles in a continuous range of type sizes from 4 to 24 point equivalents.

Horizontal/Vertical Printing

Characters may be printed horizontally or vertically with equal ease. The Xerox 9700 can switch instantly between horizontal and vertical page formats, combining the two styles within a single report.

Variable Line and Character Spacing

The Xerox 9700 is not limited to the fixed line and character spacing of other computer printers. Line spacing is continuously variable from 3 to 18 lines per inch, and character spacing is continuously variable from 4 to 30 characters per inch.

Large Variety of Paper Types and Weights

The Xerox 9700 offers great flexibility in paper types and weights, ranging from economical 16-pound bond up to 110-pound index, including pre-drilled and pre-perforated papers.
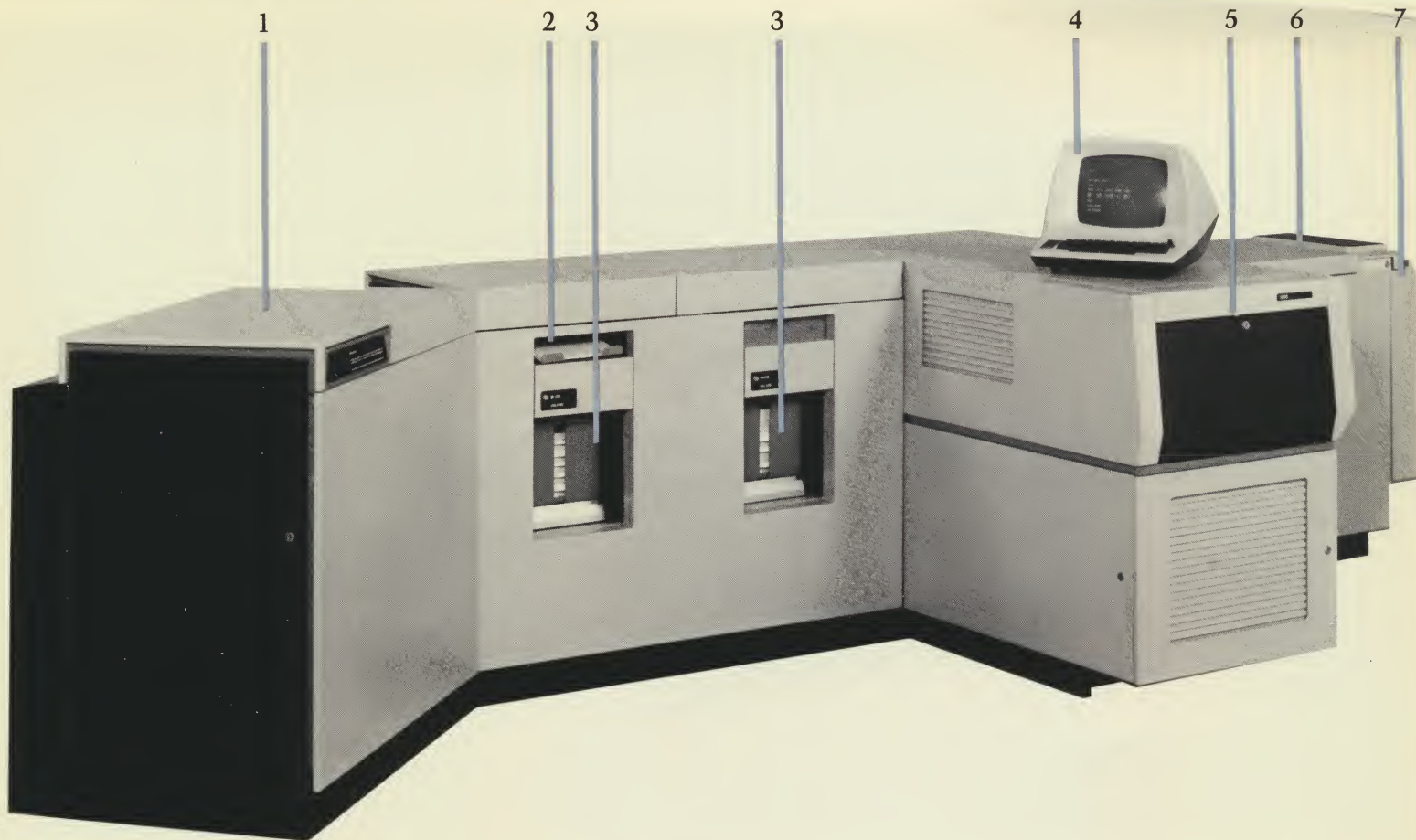
Continuous Operation

Several features are designed to provide non-stop operation, maximizing productivity. Dual input trays and dual output stackers allow loading and unloading of paper while the system continues printing. Input disk buffering eliminates the need to stop printing while accepting additional jobs or mounting a new tape. And electronic forms can be changed automatically without interrupting full-speed operation.

Operating Simplicity

The operator interacts with the system at a CRT console using simple English-language commands. Because of the non-stop operating features, need for operator intervention is minimal.

1. System Controller
Contains system disk for input buffering, digital processor memory for forms storage, and electronic circuitry for data input and overall system control.

2. Sample Print Tray
Extra test pages are diverted to this tray on request, allowing monitoring of system operation without interruption of printing.

3. Output Stackers
Two output stackers assure continuous printing. Output is automatically transferred to second bin after one bin is filled, and operator is notified that output is ready for removal. Easy-access containers can be placed in output stackers to make output easier to remove and carry for distribution.

4. Operator's Keyboard Display Console
Provides the means of operator interaction with the Xerox 9700. Operator uses this console to initiate and monitor jobs. Instructions to operator can also be initiated by the 9700 and communicated via this CRT console.

5. Image Generator
This unit provides electronic control to the laser beam which creates the character images. It accesses the font memory where characters and forms are stored digitally as dot patterns.

6. Xerographic Printer
Pages are printed xerographically in this unit at two-page-per-second speed (up to 18,000 lines per minute, depending upon data format).

7. Input Paper Trays
Two input trays assure continuous operation. When main tray approaches empty state, operator is signalled and paper feed is automatically transferred to auxiliary tray.